

No.

9800310



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

AJM/Agri Sales, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

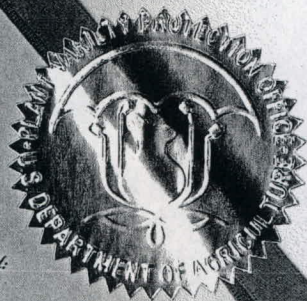
NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN, LIMA

'Merced'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this eighth day of May, in the year of our Lord two thousand one.

Attest:



Alank. Post

*Acting Commissioner
Plant Variety Protection Office
Agricultural Marketing Service*

Wm. E. Carson

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act, 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate) MAH 5-15-2001 ADM / AGRISALES, INC		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER B16607 (555K-62;A-sel)		3. VARIETY NAME Merced (proposed)	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) POBox 68 3058 Hwy 45 Ordbend, CA 95943 2385 Wright Ave Twin Falls ID 83303		5. TELEPHONE (Include area code) (530) 934-3385		FOR OFFICIAL USE ONLY PVPO NUMBER 9800310	
6. FAX (Include area code) (530) 342-6359		F I L I N G DATE 6-5-98		RUNG AND EXAMINATION FEE: \$ 2,450 DATE 6/05/98	
7. GENUS AND SPECIES NAME Phaseolus vulgaris <u>Lunatus</u>		8. FAMILY NAME (Botanical) Fabaceae (=Leguminosae) ✓		F E E S DATE 6/05/98	
9. CROP KIND NAME (Common name) Lima bean, green baby		10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name) Corporation		CERTIFICATION FEE: \$ 350 DATE 4/26/00	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Michigan		12. DATE OF INCORPORATION 10-17-78			
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Per Correspondence of 1/24/2001 MAH 1-26-2001 Dr. Steve Antonius Agrisales, Inc. (California location) - ASI Idaho POBox 68 3058 Hwy 45 Ordbend, CA 95943 2385 Wright Ave. TWIN FALLS, ID 83303		14. TELEPHONE (Include area code) (530) 934-3385 208-736-5304		15. FAX (Include area code) (530) 342-6359 208-734-6711	
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)					
<input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository) <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)					
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES #1 "yes," answer items 18 and 19 below <input checked="" type="checkbox"/> NO #1 "no," go to item 20					
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED			
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES #1 "yes," give names of countries and dates <input type="checkbox"/> NO United States, 1997 (July 9, 1997)					
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned applicant(s) is/are the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is/are informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF APPLICANT (Owner(s)) Dr. Steve Antonius		SIGNATURE OF APPLICANT (Owner(s)) NAME (Please print or type)			
CAPACITY OR TITLE Research Director		DATE Apr 29, 1998		CAPACITY OR TITLE DATE	

EXHIBIT A: Origin and breeding history

1. Geneology:

	'Maffei 15'	'Kingston'
Breeding Method:	Inbred-backcross method	Recurrent parent: Maffei 15 Donor parent: Kingston

2. Selection and multiplication:

Location	Activity	Comment
Greenhouse F1-BC2 (~F4)	3 crosses to M15	Family structure established with 3 rd cross to M15; families maintained separately;
F5, F6	2 cycles of single-seed descent	Pure lines established
F7	Selection between lines for maturity, upright plant type	
F8	Selection between lines for plant size, seed color intensity, seed size	
F9	Selection between lines for yield, seed size, uniformity	Line '555K-62, A-sel' chosen for multiplication
F10+	Multiplication of Foundation quality stock	

3. **Evidence of uniformity and stability:** I have personally observed and evaluated B16607 under a variety of environments and conditions over the past 5 years, including observation, yield trials and stock seed multiplication. I attest to the fact that B16607 is stable and uniform.
4. I know of no recurring variants except for occasional (<.001%) sterile plants.

EXHIBIT B: STATEMENT OF DISTINCTNESS

- *Identify the varieties:* The variety most similar to 'Merced' is 'Maffei 15'. However, B16607 has a higher density (specific gravity) than M15 (1.367 vs 1.336). B16607 is also 8.3 days later to reach processing maturity than M15 and has a smaller size (9% vs 18% 26/64ths) and plumper shape (86.5% vs 62.3 than M15 (that % of seeds 22-24/64ths that are > 12/64ths x 3/4"). B16607 also has a higher seed-count-per-pound than M15 (1163 vs 988). Data were collected for at least 4 years over a six-year period between 1992 and 1997 and over two locations.
- *Attach statistical data:*

Table 1. Data Summary.

Variety	Year	Specific gravity (Density)	Seeds/pound	Seed size %>26/64ths	Seed size (%22R, >12/64 th s)	Data Location	Days to processing maturity	Data Location
B16607	1992	NA					117	Delaware
	1993	NA					83	"
	1994	1.373	1285	5	93	California	79	"
	1995	1.365	1257	3	82	"	77	"
	1996	1.368	1014	16	84	"	NA	
	1997	1.359	1096	14	87	"	NA	
	Average	1.367	1163.0	9.5	86.5		89.0	
Maffei 15	1992	NA					96	Delaware
	1993	NA					77	"
	1994	1.333	1015	20	47	California	76	"
	1995	1.337	993	24	68	"	76	"
	1996	1.356	956	16	72	"	NA	
	1997	1.320	989	12	78	"	NA	
	Average	1.336	988.3	18.0	62.3		81.3	

NA = Not available for the year or location.

Table 2. Data Review.

Novelty and distinctness is supported by inspection of the data and by analysis of density values for B16607 and M15. In the case of seeds/pound, seed shape and maturity, the data strongly support the differences purported although they were not analyzed statistically. In each instance the data of the two varieties do not overlap and indicate "obvious" differences between them. Raw data for the specific gravity of the two varieties is presented in the appendix on pages 3 and 4.

	Variable				
	Specific gravity	Seeds/pound	Days to processing maturity	Seed shape ^{1/} (%>26/64ths)	Seed shape ^{2/} (%22/64ths >12/64ths x 3/4ths)
Statistic ^{3/}	Paired t-test	Inspection	Inspection	Inspection	Inspection
Result:	Higher s.g.	Greater	Later	Smaller	Thicker
B16607 is:	P<.0001				
Reference	MSTATC	Not applicable	Not applicable	Not applicable	Not applicable

^{1/} Seed shape: Measurements are in 64ths of an inch; this is a measure of size;

^{2/} Seed shape: Measurements are in 64ths of an inch; this is a measure of thickness;

^{3/} Statistical references:

- MSTATC: Michigan State University Microcomputer Statistical Programs for Agriculture Experimentation. 1992.
- Statistical Methods. Sixth Edition. 1978. Snedecor and Cochran.
- Agricultural Experimentation: Design and Analysis. Thomas M. Little and F.J. Hills. 1977.

Please let me know if I can further address any questions.

Data file: □&k0S□&k2GB16607□&k0S
 Title: PVP B16607 VS M15

Function: T-TEST FOR DENSITY (SPECIFIC GRAVITY)
(paired test)

SAMPLE ONE:

Variable 4 : AD
 Cases 1 through 9
 Mean: 1.3669
 Variance: 0.0001
 Standard Deviation: 0.0098

SAMPLE TWO:

Variable 4 : AD
 Cases 10 through 18
 Mean: 1.3359
 Variance: 0.0002
 Standard Deviation: 0.0135

F-TEST FOR THE HYPOTHESIS "VARIANCE 1 = VARIANCE 2"

F Value: 1.9228
 Numerator degrees of freedom: 8
 Denominator degrees of freedom: 8
 Probability: 0.3742

Result: Non-Significant F - Accept the Hypothesis

T-TEST FOR THE HYPOTHESIS "MEAN 1 = MEAN 2"

Variance of the difference between the means: 0.0000
 Standard Deviation of the difference: 0.0043
 t Value: 7.2843
 Effective degrees of freedom: 8
 Probability of t: 0.0001

Result: Significant t - Reject the Hypothesis
 Confidence limits for the difference of the means (for alpha=0.01):
 0.031 plus or minus 0.014 (0.017 through 0.045)

Appendix 1. Raw Data of specific gravity values for B16607 and M15 and data analysis.

B16607-6

Data file : \&k0S\&k2GB16607\&k0S

Title : PVP B16607 VS M15

Function : PRLIST

Data case no. 1 to 18

List Of Variables

Var Type Name / Description
1 TEXT 12 VARNAME
2 NUMERIC YR
3 NUMERIC REP
4 NUMERIC AD
5 NUMERIC VAR#
7 NUMERIC AD-SCALED

CASE NO.	VARIETY	YEAR	TRIAL REP	DENSITY	VAR#	SCALED DENSITY
1	B16607	4	2	1.380	1	380
2	B16607	4	3	1.372	1	372
3	B16607	4	4	1.368	1	368
4	B16607	5	2	1.358	1	358
5	B16607	5	3	1.372	1	372
6	B16607	6	2	1.366	1	366
7	B16607	6	3	1.369	1	369
8	B16607	7	2	1.371	1	371
9	B16607	7	3	1.346	1	346
10	M15	4	2	1.341	2	341
11	M15	4	3	1.331	2	331
12	M15	4	4	1.327	2	327
13	M15	5	2	1.332	2	332
14	M15	5	3	1.341	2	341
15	M15	6	2	1.354	2	354
16	M15	6	3	1.357	2	357
17	M15	7	2	1.323	2	323
18	M15	7	3	1.317	2	317

□

OBJECTIVE DESCRIPTION OF VARIETY

LIMA BEAN (PHASEOLUS LUNATUS)

REFERENCES: See Reverse.

NAME OF APPLICANT(S)

AGRISALES, INC. (California)

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

POBox 68
Ordbend, CA 95943

FOR OFFICIAL USE ONLY

PVPO NUMBER 9800310

VARIETY NAME OR TEMPORARY
DESIGNATION

Place the appropriate number that describes the varietal character of this variety in the boxes below:

Place a zero in first box (e.g. or) when number is either 99 or less or 9 or less.

1. TYPE:

 1 = GREEN SHELL 2 = DRY EDIBLE 3 = DUAL PURPOSE

2. REGION OF ADAPTABILITY IN THE U.S.:

 Best adapted in: 1 = NORTHWEST 2 = NORTHCENTRAL 3 = NORTHEAST 4 = SOUTHEAST
5 = SOUTHWEST 6 = MOST REGIONS note: espec. California

3. MATURITY (Days from seeding to first harvest):

 GREEN SHELLS DRY SEEDS No. of days Earlier than: 1 = HENDERSON BUSH 2 = THAXTER 3 = BURPEE'S IMPROVED BUSH
 No. of days Later than: 4 = SIEVA 5 = FLORIDA BUTTER 6 = KING OF THE GARDEN
7 = OTHER (Specify) Maffei 15

4. PLANT:

 1 = DETERMINATE, ERECT BUSH 2 = DETERMINATE, SPRAWLING BUSH 3 = DETERMINATE, SEMIPOLE
4 = INDETERMINATE, POLE CM. HEIGHT CM. LENGTH OF FIRST INTERNODE
ABOVE PRIMARY LEAF CM. SPREAD NUMBER INTERNODES ON MAIN STALK BETWEEN PRIMARY LEAF AND BASE
OF TERMINAL INFLORESCENCE MM. STALK DIAMETER ABOVE FIRST TRIFOLIATE LEAF Main stalk: 1 = BRITTLE 2 = WIREY Main stalk: 1 = STOUT 2 = THIN Flower position: Pod position: 1 = LOW, CONCENTRATED 2 = HIGH, CONCENTRATED 3 = SCATTERED

5. LEAVES:

 1 = SMOOTH 2 = WRINKLED 1 = DULL 2 = GLOSSY Thickness: 1 = THIN 2 = MEDIUM
3 = THICK Size: 1 = SMALL (Sieva) 2 = MEDIUM 3 = LARGE (Prizetaker) CM. PETIOLE LENGTH (To basal
leaflets of first trifoliate leaf) Tip shape of center leaflet: 1 = ROUNDED 2 = TAPER POINTED 3 = SHARP POINTED PUBESCENCE - Dorsal: 1 = NONE 2 = SLIGHT 3 = CONSIDERABLE PUBESCENCE - Ventral: Color: 1 = GRAY GREEN 2 = MEDIUM GREEN (Burpee's Improved Bush) 3 = DARK GREEN (Sieva)

6. FLOWERS:

 Color: 1 = WHITE 2 = CREAM 3 = PINK 4 = LILAC 5 = PURPLE 6 = OTHER (Specify) Racemes: CM. TO BASE OF TERMINAL FLORET 25 cm NUMBER FLOWERS PER RACEME

7. FRESH PODS:

3 Color: 1 = LIGHT GREEN (Thaxter) 2 = MEDIUM GREEN (Florida Butter) 3 = DARK GREEN (Thorogreen Early)
4 = OTHER (Specify) _____

0 6 CM. LENGTH 1 9 MM. WIDTH (Between sutures) 0 7 MM. THICKNESS 2 7 $\frac{\text{WIDTH}}{\text{THICKNESS}} \times 10$

2 Cross section pod shape: 1 = FLAT 2 = OVAL 3 = ROUND 2 Curvature: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

3 MM. SPUR LENGTH 1 Spur: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

2 Surface: 1 = SHINY 2 = DULL 1 Surface: 1 = SMOOTH 2 = BLISTERED

2 Pubescence: 1 = NONE 2 = SPARSE 3 = CONSIDERABLE 3 NUMBER OF SEEDS PER POD

6 8 NUMBER PODS PER PLANT (Once over harvest) 1 Machine harvest: 1 = ADAPTED 2 = NOT ADAPTED

Condition of pods at once-over harvest: 1 0 % DRY n a % YELLOW 9 0 % GREEN

8. SEEDS:

1 1 = MONOCHROME 2 = POLYCHROME 2 1 = SHINY 2 = DULL

0 3 Primary color: 1 = WHITE 2 = GREENISH WHITE 3 = GREEN 4 = YELLOW 5 = BUFF 6 = TAN
n a Secondary color: 7 = BROWN 8 = PINK 9 = RED 10 = PURPLE 11 = BLACK 12 = OTHER (Specify) _____

Color pattern: 1 = SPLASHED 2 = MOTTLED 3 = STRIPED 4 = FLECKED 5 = DOTTED

Secondary color location: 1 = HILAR RING 2 = HILAR SURFACE 3 = STROPHIOLE 4 = MICROPYLE 5 = SIDES
6 = DORSAL SURFACE 7 = NOT RESTRICTED TO ANY AREA
8 = COMBINATION OF LOCATIONS (Specify) _____

1 Hilar ring: 1 = NOT PRESENT 2 = NARROW 3 = WIDE 4 = BUTTERFLY SHAPED 1 Vein-like under coat pattern: 1 = ABSENT 2 = PRESENT

3 Cotyledon color: 1 = WHITE 2 = PALE GREEN 3 = GREEN 1 Seed coat: 1 = SMO 2 = WRN

9. SEED SHAPE AND SIZE:

2 Hilum view: 1 = FLAT 2 = ELLIPTICAL 3 = OVAL 4 = ROUND 4 Side view: 1 = OVAL 2 = ROUND 3 = KIDNEY 4 = TRUNCATE ENDS

2 Cross section: 1 = FLAT 2 = ELLIPTICAL 3 = OVAL 4 = ROUND 4 0 GM. WEIGHT PER 100 SEEDS

1 Classification: 1 = SIEVA 2 = INTERMEDIATE 3 = FORDHOOK

0 9 MM. WIDTH (Dorsal to ventral) 0 5 MM. THICKNESS (Side to side)

1 2 MM. LENGTH 1 7 $\frac{\text{WIDTH}}{\text{THICKNESS}} \times 10$

10. ANTHOCYANIN: (1 = Absent, 2 = Present)

1 FLOWERS 1 STEM 1 PODS 1 SEEDS 1 LEAVES

11. DISEASE RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

0 RUST (Specify race) _____	0 ANGULAR LEAF SPOT	0 BACTERIAL WILT
0 COMMON BEAN MOSAIC	0 ANTHRACNOSE	0 LIMA BEAN MOSAIC
0 SOUTHERN BEAN MOSAIC	0 FUSARIUM ROOT ROT	0 CURLY TOP
0 N.Y. 15 BEAN MOSAIC	2 DOWNY MILDEW	0 POWDERY MILDEW
0 BEAN MOSAIC VIRUS 4	0 HALO BLIGHT	0 FUSCOUS BLIGHT
0 ALFALFA MOSAIC VIRUS	0 ALFALFA MOSAIC VIRUS 2	0 POD MOTTLE VIRUS
0 RED NODE VIRUS	0 ROOT KNOT NEMATODE	0 OTHER (Specify) _____

Races:
 ABC 0
 D 2
 "E" 1

12. INSECT RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

<input type="checkbox"/> 0	APHIDS	<input type="checkbox"/> 0	LEAF HOPPERS	<input type="checkbox"/> 0	POD BORER	<input type="checkbox"/> 0	LYGUS
<input type="checkbox"/> 0	THRIPS	<input type="checkbox"/> 0	WEAVILS	<input type="checkbox"/> 0	SEED CORN MAGGOT	<input type="checkbox"/> 0	OTHER (Specify) _____

13. PHYSIOLOGICAL RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

<input checked="" type="checkbox"/> 2	HEAT	<input checked="" type="checkbox"/> 1	COLD	<input type="checkbox"/> 0	DROUGHT	<input type="checkbox"/>	OTHER (Specify) _____
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REFERENCES

The following publications may be used as references in completing this form:

1. Beans of New York. Vol. 1 Part II of Vegetables of New York. U.P. Hedrick et al. J. B. Lyon Company, Albany, N.Y. 1931.
2. Yarnell, S. H., Cytogenetics of the Vegetable Crops IV. Legumes. Bot. Rev. 31:247 - 330. 1965.
3. USDA Yearbook of Agriculture. 1937.

COLOR: Nickerson's or any recognized color fan may be used to determine the colors.

COMMENTS:

RE: downy mildew (Phytophthora phaseoli):

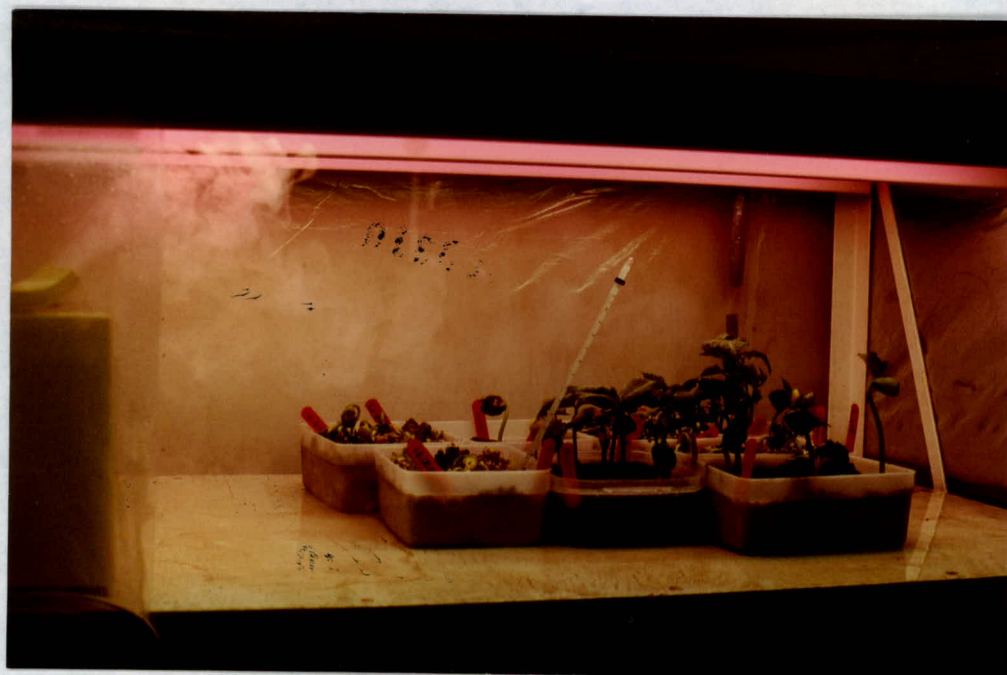
Races A-C have not been available for years. Testing was carried out using the prevalent races available during the development period. Testing was done using race "D" and a strain that is probably race "E". It is likely that B16607 is resistant to races A-C however, since extensive backcrossing was employed during development. The recurrent parent was Maffei 15, resistant to races A-D.

28 JAN -2 55:58

NSDA-VHS-6460
REC-10



Resistant cultivar = 'Merced'
 Susceptible cultivar = 'Kingston'



ASI's Downy mildew screening chamber

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

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EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) AGRISALES, INC.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER B16607	3. VARIETY NAME Merced (proposed)
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) POBox 68 3058 Highway 45 Ordbend, CA 95943	5. TELEPHONE (include area code) (530) 934-3385	6. FAX (include area code) (530) 342-6359
7. PVPO NUMBER 9800310		

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain.

☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company?

If no, give name of country _____

☒ YES ☐ NO10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

☐ YES ☐ NO If no, give name of country _____

b. If original rights to variety were owned by a company, is the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country _____

11. Additional explanation on ownership (If needed, use reverse for extra space):

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881 (voice) or (202) 720-7808 (TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.